Rift Valley fever















Samples

1-Blood during viraemia

2-Liver & spleen from dead animals or aborted fetous

Infectious diseases causing abortion in sheep

I- Bacterial

1- Brucellosis
2- Leptospirosis
3- Listeriosis
4- Salmonellosis

II- Viral

1- Wessels-borne disease
2- Akabane disease
3- Blue toungue
4- Border disease

III- Parasitic

1- Toxoplasmosis

IV- Fungal

1- *Aspergillus absiedia*

PPR (Goat plaque)











Samples

1-Buffy coats or whole blood during viraemia

2-Spleen & mesentric lymph nodes from dead animals

D.D.

Infectious diseases causing oral lesion

1-Blue tongue

2-FMD

3-Malignant form of sheep pox

4-Orf (CPD) *****may be

- Contagious pustular dermatitis

CPD ,Orf











Samples

1- Scabs from lesions

D.D.

Infectious diseases causing Lameness:-

1-Blue tongue
2-FMD
3-Black leg
4-Foot root

Center for Food Security and Public Health, Iowa State University, 2008

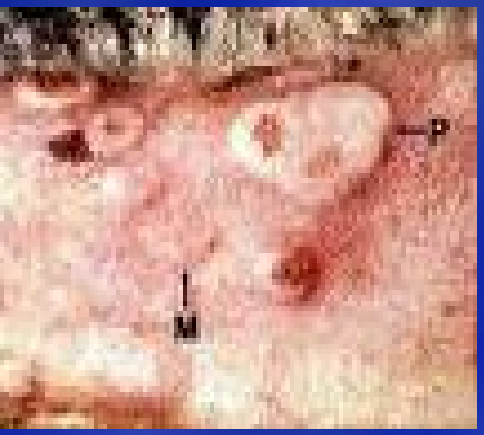
Sheep pox















Samples

1-Blood during viraemia

2-Materials from skin lesion

D.D.

Infectious diseases causing skin lesions in sheep

1- Orf (CPD)

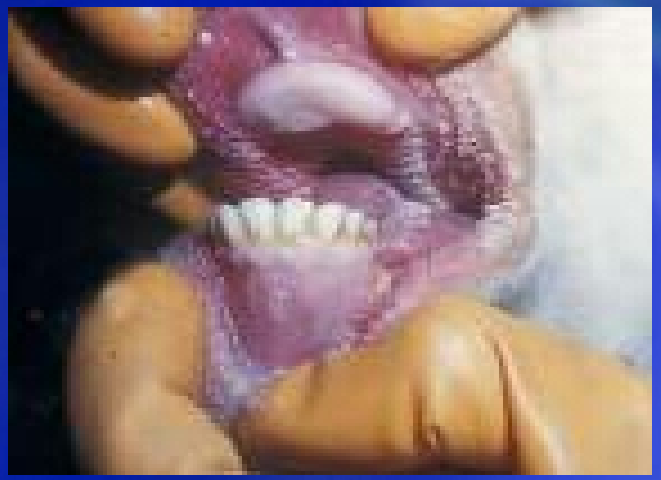
2-Demodex Mange

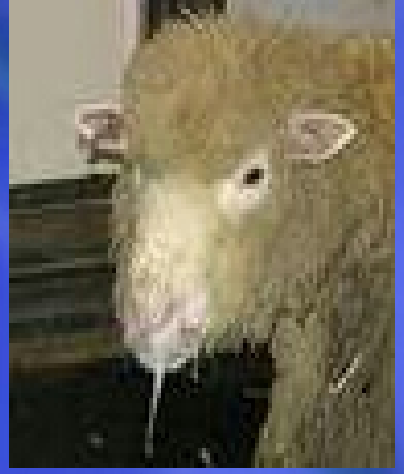
3- Ulcerative dermatitis

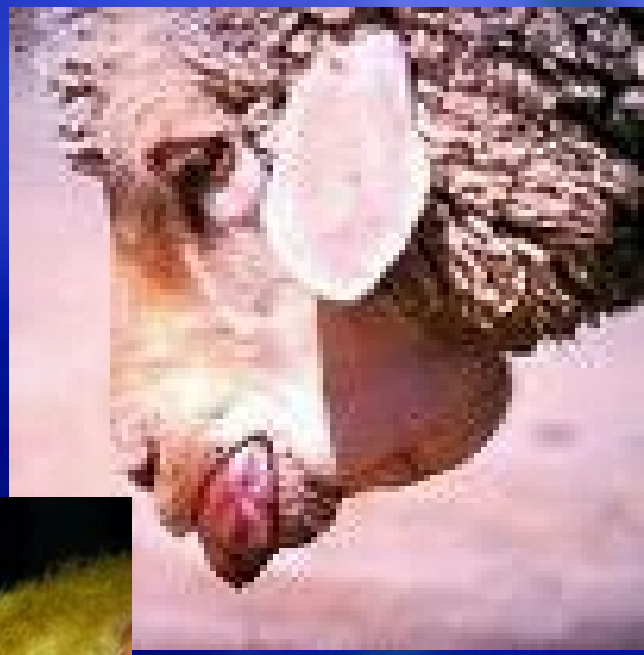
4- Mycotic dermatitis

Blue Tongue













Samples

1-Whole blood during viraemia

2-Liver & spleen from dead animals

D.D.

Infectious diseases causing oral lesion :-

PPR

FMD

Malignant form of sheep pox

Infectious diseases causing Lameness:-

FMD

Black leg

Foot root

Orf (CPD)

L

Listeriosis (meningoencephalitis)













Samples

1- Brain stem & spinal fluid

D.D.

Infectious diseases causing nervous manifestations in sheep

1- Rabies

2- Pseudorabies

3- Louping ill

4- Scrapie

5- Coenurosis

Caseous lymphadenitis













Samples

1- Swabs of pus from

affected lymph nodes

D.D.

Infectious diseases causing enlargement of superficial lymph nodes in sheep

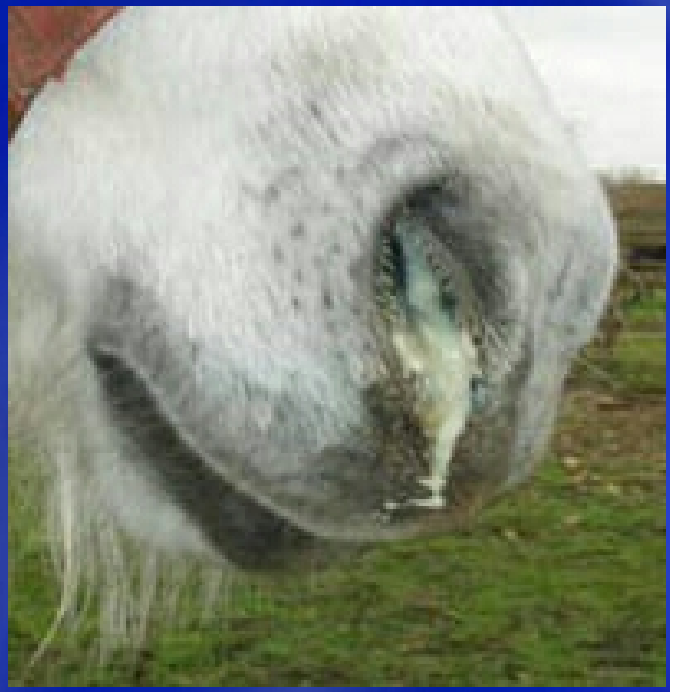
1- T.B.
2- Actinobacillosis

Infectious dieases in sheep transmitted through wound

1- Tetanus
2-Malignant oedema
3-Black leg
4- Big head

Strangles













Samples

1- Nasal swabs and

discharge from abscesses

D.D.

Infectious diseases causing respiratory signs in equine

I- Bacterial

1- Glanders (nasal form) 2- Pasteurellosis

II- Viral

1- A.H.S. (pulmonary form)

2- Equine influenza

3- Equine viral arteritis

4- Equine viral rhinopeumonitis

5- Equine rhinovirus

6- Equine adenovirus

III- Parasitic

- Verminous peumonia(lung worm)

African horse sickness

Acute form(Pulmonary)



Profuse frothy nasal discharge, pulmonary form



Profuse blood stained frothy nasal discharge pulmonary form



Profuse frothy nasal discharge, pulmonary form



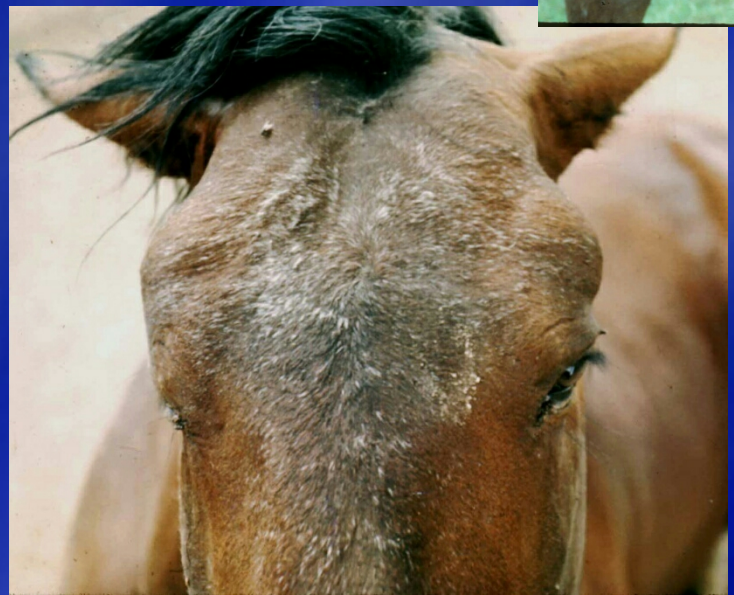
African horse sickness

Subacute form(cardiac)













Samples

1-Whole blood during viraemia

2- Spleen from dead horse

D.D.

(pulmonary form)

Infectious diseases causing respiratory signs in equine

1- Glanders (pulmonary form)
2- Pasteurellosis
3- Equine influenza
4- Equine viral arteritis
5- Equine viral rhinopeumonitis

D.D.

Subacute form(Cardiac form)

Infectious diseases causing anasarca in equine

1-Babesia
2-Equine infectiuos anemia
3-Equine viral arteritis
4- purpura haemorrhgica

Ulcerative lymphangitis







Samples

1- Swabs of pus from the lesions

D.D.

Infectious diseases causing skin lesions of the lower limbs in horse

1- Glanders – skin form (farcy)

2- Epizootic lymphangitis

3- Sporotrichosis

4- Leg mange (Chorioptic mange)

5- Horse pox (leg form, very rare)

Rabies


Brain inflammation
Virus transmitted by infected saliva through bite or wound


Spinal cord
Brain
Salivary gland
Transport along nerve axons
Bite infliction
(c) FLI, Wusterhausen















Samples

1- Brain and salivary gland

D.D.

Infectious diseases causing nervous signs in dogs

1- Pseudorabies
2- Nervous form of canine distemper
3- Infectious canine hepatitis
4- Cerebral babesiosis

Canine Parvoviruse infection in dogs (Enteric form)













Samples

1- Fecal sample(feces)

D.D.

Infectious diseases causing diarrhea in dogs

1- Canine distemper(digestive form)

2- Corona virus

3- Salmonellosis

4- Rota virus

Trypansomiasis









Samples

1- Blood smear during febrile stage(Acute form).

2- Blood & Serum (Chronic form)

D.D.

Infectious diseases causing enlargement of lymph nodes in camels

1-Dipetalonemiasis

2- T.B.

3-Camel pox

4- CPD

5-Contagiuos skin necrosis

Infectious diseases causing edema ,anemia and emaciation in camels

1-Dipetalonemiasis

2- T.B.

3-Camel pox & CPD(in the face & under lower jaw)

Vaccines

Sheep(PPR-RVF-FMD-SGP-Clostridial-B T)

Equine (AHS –EI- Strangles-tetanus)

Dogs(Rabies-distemper-parvo- canine hepatitis)

Calves vaccines (scour gard -3,
scour
gard c, calves gard) + RDC vaccine

Camel pox

Drugs

Trypansomiasis - Dourine

Naganol,10% 1ml/10k i/v
Trypacide10% 1ml/20k s/c
Trypamidium 1ml/20k i/m
Cymelarsan 1ml/20k i/m

Habronema

Strongylosis

Oestrus ovis

Antitetanus serum 225 i.u./kg s/c. ,i/m.,i/v.(for treatment of tetanus)

Antitetanus serum 1500 i.u s/c. in small animals —3000i.u. s/c in large animals(prophylactic).

Antimicrobial

Penicillin 10,000 iu/kg.b.w im for 3-5 day.

Draxin 1ml/ 40kg. i/m. or s/c L A.

Sulphonamide

140mg/kg first day

70mg /kg second and third day 33.3% i/v

Sheep

1–RVF 2-Anthrax

3-SGP 4-PPR 5-Listeriosis 6-Foot rot

7-Oestrus ovis 8- Coenuriosis

Equine

1-EVR 2-EVA

3-Strangles 4-Glanders

5-Tetanus 6- West nile

Dogs

*Canine distemper